SCS ENGINEERS

May 27, 2008 File No. 02199312.02-2

Mr. Johnny Beal Facility Manager Wake County Solid Waste Management Division PO Box 550 Raleigh, North Carolina 27602 MAY 29 2000 Z

Subject:

Landfill Gas Monitoring Results – April 9, 2008 North Wake Landfill – Raleigh, North Carolina

Dear Mr. Beal:

SCS Engineers, PC (SCS) is pleased to submit the results of the Monthly Landfill Gas (LFG) Monitoring Event, performed at the North Wake County Landfill on April 9, 2008. This monitoring was performed in accordance with the updated Landfill Gas Remediation Plan, dated 7/12/07. A memorandum discussing the results from the Fourth Quarter Monitoring Event performed on 12/27/07, which indicated elevated methane levels at several probes, was distributed to Wake Gas Producers (WGP) and Wake County on 12/31/07. Correspondence serving as notification of the methane exceedances detected at LFG monitoring probes M-3, M-22, M-23, M-24, and M-26 was submitted to NCDENR on 1/3/08.

SCS used a GEM-500 Infrared Gas Analyzer to measure subsurface concentrations of methane, carbon dioxide, oxygen, balance gas, and pressure at the five gas monitoring probes that previously exhibited methane levels in excess of the regulatory limit. The monitoring results are presented in Exhibit 1.

As presented on Exhibit 1, the methane concentrations have decreased in LFG probes M-3, M-22, M-23, and M-24 below the compliance threshold. Methane concentrations measured increased in probe M-26 continue to be greater than the regulatory limit.

Because LFG probes M-3, M-22, M-23, and M-24 have demonstrated methane concentrations below the compliance threshold for at least three consecutive months, the monitoring frequency will return to a quarterly basis for these probes, as stipulated in the updated LFG Remediation Plan. SCS will continue to conduct monitoring at probe M-26 on a monthly basis until it demonstrates measurements below the compliance threshold for three consecutive months.

WGP has increased the applied vacuum to the perimeter migration control system per our request, but the methane levels in LFG probe M-26 remain elevated. SCS met with County personnel on 4/17/08 and discussed implementation of continued corrective actions to remediate this exceedance. SCS developed the design of an expansion to the LFG migration

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EXHIBIT 1. LANDFILL GAS MONITORING PROBES NORTH WAKE LANDFILL - WAKE COUNTY, NORTH CAROLINA

April 9, 2008 02199312.02-2 Sunny 60°F Date: Project No: Weather:

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GEM-500 Personnel: Equipment:

| Methane (% vol) | WZ | WW | WN | WZ WZ | WZ | WN | WN | | WN WN |
|---------------------------------|--------------------------|-------------------------------------|---|---------------------------------------|-------------------------------------|---|---|--|---|
| Interior Monitoring Location | Scale House Front Office | Bathrooms (2) Hallway Kitchen | Admin. Offices Offices (4) Reception Area | Bathrooms (2) Conference Area Kitchen | Drop OffTransfer Office Service Bay | Maintenance Snop Service Bay Equipment Maintenance Trailer Offices (2) | Bathroom Conference Area Field Storage Building (Wake County) | Service Bay Drop Off/Transfer Offices (6) Bathrooms (2) Conference Area Break Room/Kitchen Reception Sign Shop | Project Room Tool Room Shipping and Receiving |
| Pressure | (in-wc) | NN O | W W W | | W W | WW W | EN EN | -0.9 -0.3 -0.2 -0.7 | |
| Balance | (% %) | 80 WN | WN WN | N N N | N N N | Z Z Z Z | ¥Z ×Z | 79.7 79.8 80 NM 0 | |
| Охудеп | (% vol) | 19.9 MN | W N N | | W W | E E E | W W | 20.1 20 NM | |
| Carbon | (iov %) | ₩ O N | W N | | N N N | | X X | 0.0 0 0 NM 37.8 | |
| Methane | (lov %) | N C | WW NW | WN N | | | N N | 0.1 0 NM 62.2 | |
| Time | (24-hr) | 12:51 NM | N N | E E | | | N N N | 12:27 12:35 12:40 NM 12:59 | NM = Not Monitored |
| Monitoring | . ∑ | ∑ ∑ ∑ ഗ ധ 4 | M 5 M 6R M 7 | M M M 3 | ™ ™ ™ ; | ××× 5 | | M 22 M 24 M 25 M 26 | Notes: |